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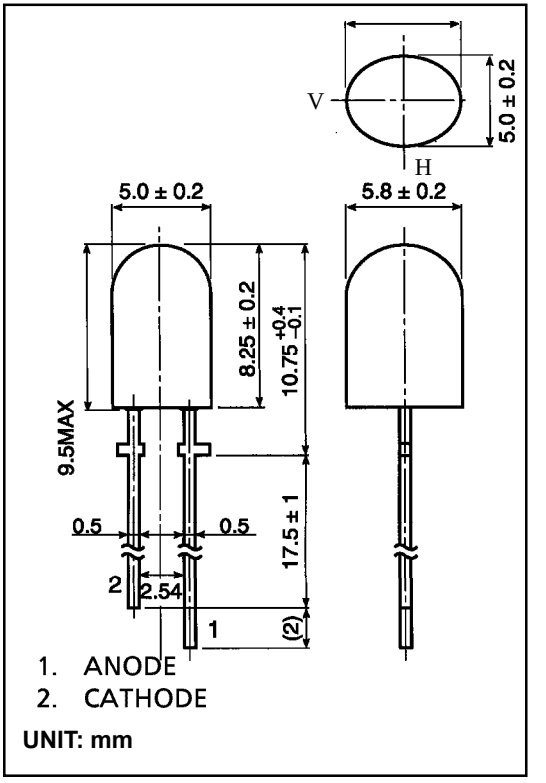
GREEN TOSHIBA T-1¾ InGaAlP Ultra Bright LED

TLGE247

Product Features -

- InGaAlP Technology
- T-1¾ (5 mm) Elliptical Package
- High Intensity Green Light (λ_p = 574 nm) Emission
- Water Clear Lens
- Elliptical Radiation Pattern (60° Vertical, 30° Horizontal)



MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Forward Current	I_F	50	mA
Reverse Voltage	V_R	4	V
Power Dissipation	P_D	140	mW
Operating Temperature	T_{opr}	-30 ~ 85	°C
Storage Temperature	T_{stg}	-40 ~ 120	°C

OPTO-ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V_F	IF = 20mA	—	2.27	2.8	V
Reverse Current	I_R	VR = 4V	—	—	50	μA
Luminous Intensity	I_V	IF = 20mA	150	400	—	mcd
Viewing Angle	2θ½	—	—	Note 1	—	°
Peak Wavelength	λ_p	IF = 20mA	—	574	—	nm
Dominant Wavelength	λ_d	IF = 20mA	—	571	—	nm
Spectral Line Half Width	$\Delta\lambda$	IF = 20mA	—	11	—	nm

Note 1: Elliptical Radiation Pattern 60° Vertical, 30° Horizontal

* Luminous Ranks: (P : 180-360mcd), (Q : 320-640mcd), (R : 560-1120mcd) Upper and lower limit tolerance ±15%
Available in One Bin Combination: (PQ)

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TLGE247 Graphs -